Springhill Catholic Primary School
Long Term Plan
Subject: Maths

Maths Overview	Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Objectives in red are in different order to White Rose Scheme **Objectives in yellow match to NCETM RTP criteria**							
AUT 1	**Matching and sorting (1 week)** -Match two items -Grouping items -Explain groupings -Odd one out **Comparing size (1 week)** -Compare length -Order length -Compare height -Order height -Compare capacity **Comparing, ordering and composition of 1, 2 and 3 (2 weeks)** -More/fewer/ same -Subitising 1-3 -Compare groups -Count to 3 -Count 1-3 objects -Match numerals to objects -Count to 3 and back -Order groups of objects to 3 -Order 1-3 - Composition of 1-3 **One more/ one less than 1, 2 and 3 (2 weeks)** -Count 1-3 objects -Add one more object to a group -1 more -Count 1-3 objects -Take an object away from a group -1 less **Pattern (1/2week)** -See a pattern -Say the pattern -Continue a repeating pattern **Ordinal number (1/2 week)** -Identify 1st, 2nd and 3rd -Match 1st/2nd/3rd to label	**Place Value - within 10 (5 weeks)** -Sort and count objects -Represent objects -Recognise numbers as words -Count on from any number -1 more -Count backwards within 10 -1 less -Compare groups -Fewer, more, same -Less than, greater than, equal to -Compare numbers -Order objects and numbers -The number line **Addition and Subtraction - within 10 (2 weeks)** -Part-whole model -Writing number sentences -Fact families -Number bonds within 10 -Number bonds to 10	**Place Value (4 weeks)** -Numbers to 20 -Count objects to 100 by making 10s -Recognise tens and ones (PV chart) -Partition numbers to 100 -Write numbers to 100 in words -Flexibly partition numbers to 100 -Write numbers to 100 in expanded form -10s on number line to 100 -10s and 1s on number line to 100 -Estimate on a number line -Compare objects and numbers -Order objects and numbers -Count in 2s, 5s, 10s -Counts in 3s **Addition and Subtraction (3 weeks)** -Number bonds to 10 -Fact families within 20 -Related facts -Bonds to 100 (tens) -Add and subtracts 1s -Add by making 10 -Add three 1-digit numbers -Add to the next 10 -Add across a 10 -Subtract across a 10 -Subtract from a 10 -Subtract a 1-digit from a 2-digit (across 10) -10 more, 10 less -Add and subtract 10s	Times tables (10, 5, 2) **Place Value (3-4 weeks)** -Represent and partition numbers to 100 -Number line to 100 -Hundreds -Represent and partition numbers to 1000 -Flexibly partition numbers to 1000 -Hundreds, tens and ones -Find 1, 10 or 100 more or less -Number line to 1000 -Estimate on a number line to 1000 -Compare and order numbers to 1000 -Count in 50s **Addition and Subtraction (3 weeks)** -Apply number bonds -Add and subtracts 1s -Add and subtract 10s -Add and subtract 100s -Pattern spotting -Add 1s across a 10 -Add 10s across a 100 -Subtract 1s across a 10 -Subtract 10s across a 100 -Make connections	**Place Value (4-5 weeks)** -Represent and partition numbers to 1000 -Number line to 1000 -Thousands -Represent and partition numbers to 10,000 -Flexible partitioning to 10000 -Find 1, 10, 100, 1000 more and less -Number line to 10,000 -Estimate on a number line to 10000 -Compare and order -Roman numerals -Round to the nearest 10, 100, 1000, 10000 -Negative numbers **Addition and Subtraction (3 weeks)** -Add and subtract 1s, 10s, 100s and 1000s -Mental methods for addition and subtraction -Add up to two 4-digit numbers in a column including multiple exchanges -Subtract up to two 4-digit numbers in a column including multiple exchanges	**Place Value (3-4 weeks)** -Roman numerals to 1000 -Numbers to 10,000 -Numbers to 100,000 -Numbers to 1,000,000 -Powers of 10 -Powers of 10 more or less -Partition numbers to 1,000,000 -Number line to 1,000,000 -Compare and order numbers -Round to the nearest 10, 100, 1000 -Round within 100,000 -Round within 1,000,000 **Negative Numbers (1 week)** -Understand negative numbers -Count through zero in 1s -Count through zero in multiples -Compare and order negative numbers -Find the difference **Addition and Subtraction (2 weeks)** -Mental strategies -Add whole numbers in a column -Subtract whole numbers in a column -Round to check answers -Inverse operations -Multi-step addition and subtraction problems -Compare calculations -Find missing numbers	**Place Value (2 weeks)** -Numbers to 1,000,000 -Numbers to 10,000,000 -Powers of 10 -Number line to 10,000,000 -Compare and order integers -Round any integer -Negative numbers **Addition, Subtraction, Multiplication and Division (4 weeks)** -Add and subtract integers -Common factors -Common multiples -Rules of divisibility -Primes to 100 -Square and cube numbers -Multiply up to 4-digit by 2-digit -Problem solve with multiplication -Short division -Division using factors -Long division -Long division with remainders -Solve problems with division -Multi-step problems -Order of operations -Mental calculation and estimation -Reason from known facts **Fractions (2 weeks)** -Equivalent fractions and simplifying -Equivalent fractions on a number line -Compare and order (denominator) -Compare and order (numerator) -Add and subtract simple fractions -Add and subtract and two fractions

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							-Add mixed numbers -Subtract mixed numbers
vocabulary	Same, different, pair, group, tall, short, long, big, small, taller, shorter, longer, bigger, zero, count (on, up, from, back), pair smaller, more, fewer, same, biggest, smallest, less, add one, take away one, repeating pattern, after, next, first, second, third	Fewer, more, less, same, compare, greater than, equal to, count in steps number line, order, forwards, backwards, numerals, between, most, least, above below	2-digit, tens boundary, place value, exchange, stands for, represents, half-way between, sequence, estimate, compare (‹ ›)	Count in multiples, 10 / 100 more, 10 / 100 less, thousand, three-digit, placeholder, hundreds, ascending, descending	Minus, negative, digit, value, numeral, intervals, partition, exchange, column, compare, order, round, estimate, 4-digit, thousands, tenths, hundredths, positive, negative, integer, Roman numerals, round, decimal point	Ten-thousand, hundred-thousand, million, five-digit, six-digit, thousandths, calculate intervals, powers of	Millions, ten million, accuracy, prime number, non-prime, composite, common multiple, common factor, prime factors, factorise, long division, cube number
AUT 2	**Numbers to 5 (2 weeks)** -Count on and back to 4/5 -Count and subitise groups of 4/5 -Match number to numeral -Represent on a 5 frame -Compare numbers to 5 -Order numbers to 5 -Introducing 0 -Form numbers 0, 4, 5 **One more / one less than numbers to 5 (1 week)** -Add one more to a group of objects up to 5 -Count all to find one more -Count on to find one more -Combine groups -Know that one more is the same as + 1 -Say number after -Take one away from a group of objects up to 5 -Count what is left to find one less -Count back to find one less -Know that 1 less is the same as – 1 -Say the number before **Composition of 3 and 4 (1 week)** -Part whole model -Partition 3 and 4 objects in different ways -Say the missing part for the numbers 4 and 5	**Addition and Subtraction - within 10 (3 weeks)** -Addition – add together and more -Addition problems -Find a missing part -Subtraction – find a part -Fact families (8 facts) -Subtraction – take away/cross out -Subtraction – take away -Subtraction on a number line -Add or subtract 1 or 2 **Shape (2 weeks)** -Recognise and name 3D shapes -Sort 3D shapes -Recognise and name 2D shapes -Sort 2D shapes -Patterns with 2D and 3D shapes	**Addition and Subtraction (2 weeks)** -Add two 2-digit numbers -Subtract two 2-digit numbers -Mixed addition and subtraction -Compare number sentences -Missing number problems **Shape (3 weeks)** -Recognise 2D and 3D shapes -Count sides on 2D shapes -Count vertices -Draw 2D shapes -Lines of symmetry on shapes -Complete shape using symmetry -Sort 2D shapes -Count faces on 3D shapes -Count edges -Count vertices -Sort 3D shapes -Make patterns with 2D and 3D shapes **Money (2 weeks)** -Count money -Choose notes and coins -Make the same amount -Compare amounts of money -Calculate with money -Make a pound -Find change -Two-step problems	**Addition and Subtraction (2 weeks)** -Add 2 numbers in a column -Subtract 2 numbers in a column -Add and subtract 2-digit and 3-digit numbers -Number bonds to 100 -Estimate answers -Inverse operations -Selecting appropriate methods **Multiplication and Division – times tables (4 weeks)** -Equal groups -Use arrays -Sharing and grouping -3 times tables -4 times tables -8 times tables -6 times tables -9 times tables -7 times tables -11 times tables -12 times tables	**Addition and Subtraction (1 week)** -Efficient subtraction -Estimating answers -Checking strategies **Area (1 week)** -What is area? -Counting squares -Making shapes -Comparing areas **Multiplication and Division (3 weeks)** -Times tables (speed and fluency) -Multiply and divide by 0 or 1 -Multiply 3 numbers -Factor pairs	**Multiplication and Division (3 weeks)** -Multiples -Common multiples -Factors -Common factors -Prime numbers -Square numbers -Cube numbers -Multiply by 10, 100, 1000 -Divide by 10, 100, 1000 -Multiples of 10, 100, 1000 **Fractions (4 weeks)** -Fractions equivalent to unit-fraction -Fractions equivalent to non-unit fraction -Recognise equivalent fractions -Convert improper to mixed -Convert mixed to improper -Compare and order fractions less than 1 -Compare and order fractions greater than 1 -Add and subtract fractions with same denominator -Add fractions within 1 -Add fractions with total greater than 1 -Add to a mixed number -Add two mixed numbers -Subtract fractions -Subtract from a mixed number -Subtract 2 mixed numbers	**Fractions (2 weeks)** -Multi-step problems -Multiply fractions by integers -Multiply fractions by fractions -Divide a fraction by an integer -Mixed questions with fractions -Fraction of an amount -Fraction of an amount (find the whole) **Converting Units (1 week)** -Metric measures -Convert metric measures -Calculate with metric measures -Miles an km -Imperial measures **Ratio (2 weeks)** -Add or multiply? -Use ratio language -Ratio symbol -Ratio and fractions -Scale drawing -Use scale factors -Similar shapes -Ratio problems -Proportion problems -Recipes **Algebra (2 weeks)** -1-step function machines -2-step function machines -Form expressions -Substitution -Formulae -Form equations

	Positional language/circles and triangles (1 week) -Identify circles and triangles -Sort circles and triangles -Describe differences between circles and triangles -Find shapes -identify shapes in different orientations -Understand and use positional language **Squares and rectangles (1 week)** -Identify and name squares and rectangles -Identify sides -Identify corners -Identify and name shapes when they are of different sizes and in different orientations **Time (1 week)** -Understand the difference between day and night -Order events in daily routine						-Solve 1-step equations -Solve 2-step equations -Find pairs of values -Solve problems with two unknowns
vocabulary	biggest, smallest, more, less, count, one more, bigger, after, add one, one less, smaller, before, take away one, part, whole, add, take away, equals, altogether makes, leaves, shape, circle, triangle, name, curved, straight, under, over, through, between, next to, square, rectangle, sides, corners, behind, in front, day night, morning, afternoon, evening, before, after, today, tomorrow	Add, subtract, plus, take away, equals, number bonds, problems, missing number, partition, part-whole model, 2d, vertex, vertices, curved, straight, pattern, pentagon, hexagon, octagon, name, describe, recognise	Facts, commutative, inverse, lines of symmetry, properties, right angles, sort, identify, compare, order, arrange, edge, vertex, vertices, 3d, curved, flat, point, cube, cuboid, pyramid, sphere, cone, cylinder, triangular prism, hexagonal prism, hollow, solid, group, estimate, compare, record, pounds, pence, value, change, combinations	Column, estimate	Efficient, factor, factor pairs, formal written method, operations, methods, efficient	Thousandths, convert, equivalent, cancel, proper fractions, improper fractions, mixed numbers, simplify, simplest form	Ratio, scale factor, proportion, in every, for every, relative size, unequal sharing and grouping, formulae, linear number sequence, algebraically, equation, unknowns, combinations, variables, conversion, miles, yard, foot, tonne, pound, ounce, stone,
SPR 1	**Numbers 5-10 (2 weeks)** -Count on/back to 10 -Count up to 10 objects	**Place Value - within 20 (3 weeks)** -Count within 20 -Understand 10	**Multiplication and Division (5 weeks)** -Recognise equal groups -Make equal groups	**Multiplication and Division B (3 weeks)** -Multiples of 10 -Related calculations	**Multiplication and Division (3 weeks)** -Multiply by 10 and 100 -Divide by 10 and 100	**Multiplication and Division (3 weeks)** -Multiply 4-digit by 1-digit -Multiply 2-digit by 2-digit	**Decimals (2 weeks)** -Place value within 1 -Integers and decimals -Round decimals

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	-Count out up to 10 objects from a larger group -Compare numbers up to 10 -Order groups of up to 10 -Order numbers to 10 -Number formation **Addition & subtraction (2 weeks)** -Combine 2 groups to find out how many altogether -Part whole model -Know total means the final amount -'First, then, now' -Know that the quantity changes when taking away -Find how many are left by counting **Finding the smaller parts of 5 (1 week)** -Split 5 objects into 2 groups -Know that a whole can be split into two parts but the total remains the same (cardinality) -Find different ways to make five -Find the missing part for number bonds to 5 **Subtraction number bonds to 5 (1 week)** -Whole take away part leaves a part -Take away a smaller part of 5 and count what is left -Say what is left when a part is taken away without counting (subitising) -Say what is left when a part is taken away without counting or subitising **Weight and pattern (1 week)** -Compare 2, and then 3, items -Use balance scales to identify heavier and lighter Pattern	-Understand 11, 12 and 13 -Understand 14, 15 and 16 -Understand 17, 18 and 19 -Understand 20 -1 more and 1 less -Number line to 20 -Compare and order numbers to 20 **Addition and Subtraction - within 20 (3 weeks)** -Add by counting on -Add ones using number bonds -Find and make number bonds to 20 -Doubles -Near doubles -Subtract ones using number bonds -Subtraction – counting back -Subtraction – finding the difference -Related facts -Missing number problems	-Add equal groups -Multiplication symbol -Multiplication sentences -Use arrays -Make equal groups – grouping -Make equal groups – sharing -The 2 times table -Divide by 2 -Doubling and halving -Odd and even numbers -The 10 times table -Divide by 10 -The 5 times tables -Divide by 5 -The 5 and 10 times tables **Statistics (1 week) (moved from summer 2)** -Make tally charts Tables -Block diagrams -Draw pictograms -Interpret pictograms -Draw pictograms 2, 5, 10 -Interpret pictograms 2, 5 and 10	-Reasoning about multiplication -Multiply a 2-digit by 1-digit number -Link multiplication and division -Divide a 2-digit by 1-digit number -Remainders -Scaling -How many ways? **Length and Perimeter (3 weeks)** -Metres, centimetres and millimetres -Equivalent lengths (m, cm , mm) -Compare lengths -Add and subtract lengths -What is perimeter? -Measure perimeter -Calculate perimeter	-Related times table facts -Informal multiplication methods -Short multiplication method (3-digit by 1-digit) -Short division method (3-digit by 1-digit) -Correspondence problems -Efficient multiplication **Length and Perimeter (2 weeks)** -Km and m -Perimeter of rectangles and rectilinear shapes -Missing lengths in perimeter -Perimeter of polygons **Fractions (1 week)** -Understand the whole -Count beyond 1 -Partition a mixed number -Mixed numbers on number lines	-Multiply 3-digit by 2-digit -Multiply 4-digit by 2-digit -Solve multiplication problems -Short division (divide 4-digit by 1-digit) -Divide with remainders -Efficient division -Solve multiplication and division problems **Fractions B (2 weeks)** -Multiply a unit fraction by an integer -Multiply a non-unit fraction by an integer -Multiply a mixed number by an integer -Calculate the fraction of a quantity -Fraction of an amount -Find the whole -Use fractions as operators **Multiplication and Division (1 week) (moved from Y6)** -Long Division (no remainders)	-Add and subtract decimals -Multiply by 10,100,1000 -Divide by 10,100,1000 -Multiply decimals by integers -Divide decimals by integers -Multiply and divide decimals in context **Fractions, Decimals and Percentages (2 weeks)** -Decimal and fraction equivalents -Fractions as division -Understand percentages -Fractions to percentages -Equivalent F.D.P -Order fractions, decimals, percentages -Percentage of amount -Percentages – missing values **Area, perimeter and volume (2 weeks)** -Shapes – same area -Area and perimeter -Area of a triangle -Area of a parallelogram -Volume – counting cubes -Volume of a cuboid

	-Identify and talk about complex patterns (ABB, AAB, AABB, AABBB) -Identify errors						
vocabulary	Bigger, smaller, more, less, largest, greatest, smallest, part, whole, add, take away, equals, leaves, altogether makes, subtract, heavy, light, heavier, lighter, weight		Multiplication, division, times, divide, arrays, grouping, sharing, odd, even, repeated addition, repeated subtraction, inverse, graph, represent, axis / axes, most / least popular, most / least common, category, sorting, totalling, comparing, survey, questionnaire, data, Vote, Table, pictogram, tally, block diagram	Column, multiple, perimeter, millimetre, metre, centimetre	Remainders, operations, methods, efficient, factor, formal written method, square number, square root, factor pairs, digit total, short division, short multiplication, kilometre, metre, rectilinear	Prime numbers, long multiplication	Per cent, percentage, cubic metre, cubic centimetre,
SPR 2	**<u>3D shapes (1 week)</u>** -Name 3D shapes -Find 3D shapes in the environment -Say some properties of 3D shapes -Similarities and differences between 3D shapes **<u>Addition & subtraction (2 weeks)</u>** -Add by counting on instead of counting all -Subtract by counting back -Subitise or recount for total/how many left -record through drawings **<u>Finding smaller parts of 6, 7, 8 (2 weeks)</u>** -Split 6, 7, and 8 objects into different parts -Identify smaller parts of 6, 7, 8 by subitising -Record parts of 6, 7, 8 on a PPW model -Identify the missing part when the whole is 6, 7 or 8 **<u>Length and height (1 week)</u>** -Compare objects using words longer and shorter -Compare objects that are taller and shorter	**<u>Place Value -within 50 (2 weeks)</u>** -Count from 20-50 -20, 30, 40 and 50 -Count by making groups of 10s -Groups of tens and ones -Partition into tens and ones -Number line to 50 1 more, 1 less **<u>Length and Height (2 weeks)</u>** -Compare lengths and heights -Measure length using objects -Measure length in centimetres **<u>Mass and Volume (2 weeks)</u>** -Heavier and lighter -Measure mass -Compare mass -Full and empty -Compare volume -Measure capacity -Compare capacity	**<u>Length and Height (2 weeks)</u>** -Measure in cm -Measure in m -Compare lengths and heights -Order lengths and heights -Four operations with lengths and heights **<u>Mass, Capacity and Temperature (3 weeks)</u>** -Compare mass -Measure in g -Measure in kg -Four operations with mass -Compare volume and capacity -Measure in ml -Measure in l -Four operations with volume and capacity -Temperature **<u>Fractions (1 week)</u>** -Parts and wholes -Equal and unequal parts -Recognise and find a half	**<u>Fractions (3 weeks)</u>** -Understand denominators of unit fractions -Compare and order unit fractions -Understand numerators of non-unit fractions -Understand the whole -Compare and order non-unit fractions -Fractions and scales -Fractions on a number line -Equivalent Fractions on a number line -Equivalent fractions as bar models **<u>Mass and Capacity (3 weeks)</u>** -Use scales -Measure mass in kg and g -Equivalent masses -Compare mass -Add and subtract mass -Measure capacity and volume in ml and l -Equivalent capacity and volume in l and ml -Compare capacity and volume -Add and subtract capacity and volume	**<u>Fractions (3 weeks)</u>** -Compare and order mixed numbers -Understand improper fractions -Convert between mixed numbers and improper fractions -Equivalent fractions on a number line -Equivalent fraction families -Add 2 or more fractions -Add fractions and mixed numbers -Subtract 2 fractions -Subtract from whole amounts -Subtract from mixed numbers **<u>Decimals (3 weeks)</u>** -Tenths as fractions and decimals -Tenths on a PV chart -Tenths on a number line -Divide a 1 and 2-digit number by 10 -Hundredths as fractions and decimals -Hundredths on a PV chart -Divide a 1 or 2-digit number by 100	**<u>Decimals and Percentages (3 weeks)</u>** -Decimals up to 2dp -Equivalent fractions and decimals -Thousandths as fractions and decimals -Order and compare decimals -Round to the nearest whole number -Round to 1dp -Understand percentages -Percentages as fractions -Percentages as decimals -Equivalent fractions, decimals and percentages **<u>Perimeter and Area (2 weeks)</u>** -Perimeter of rectangles -Perimeter of rectilinear shapes -Perimeter of polygons -Area of rectangles -Area of compound shapes -Estimate area **<u>Statistics (1 week)</u>** -Draw line graphs -Read and interpret line graphs -Read and interpret tables -Two-way tables -Read and interpret timetables	**<u>Statistics (1 week)</u>** -Line graphs -Dual bar charts -Read and interpret pie charts -Draw pie charts -The mean **<u>Shape (3 weeks)</u>** -Measure and classify angles -Calculate angles -Vertically opposite angles -Angles in a triangle -Angles in quadrilaterals -Angles in polygons -Circles -Draw shapes accurately -Nets of 3D shapes **<u>Position and Direction (1 week)</u>** -Read and plot co-ordinates in all 4 quadrants -Solve problems with co-ordinates -Translations -Reflections ***<u>Consolidation and Retrieval Practice</u>***

	-Compare objects using wider and narrower -Order objects by length or height -Use non-standard units to measure						
vocabulary	3D, cube, cone, cylinder, cuboid, pyramid, sphere, curved, straight, face, side, corner, taller, shorter, longer, wider, narrower, length and height	Measure, height, length, tall(er), double, half, mass, weight, capacity, volume, full, half-full, quarter full, empty, more, less	Estimate, compare, record, order, centimetre, cm, metre, m, kilogram, kg, gram, g, litre, l, millilitre, ml, temperature, degrees, Celsius	Tenths, equivalent, fifths, sixths, sevenths, eights, ninths, unit fraction, non-unit fraction, kilogram, gram, capacity, volume	Decimal, hundredths, decimal point, equivalent, mixed number, proper, improper	Composite, rectilinear, square centimetres, square metres, timetable, line graph, database	Radius, circumference, diameter, vertically opposite angles, plane, four quadrants, intersect, intersection, pie chart, mean, interpret, average statistics
SUM 1	**Find the smaller parts of 8 (addition and subtraction- 1 week)** -Split 8 objects into different parts -Identify smaller parts of 8 by subitising -Record parts of 8 on a PPW model -Identify the missing part when the whole is 8 **1 more and 1 less than numbers to 10 (1 week)** -Find the number that is one more than a number to 10 using objects -Find the number that is one more than a number using a number track -Say one more than a number to 10 -Know that one more and +1 means the same -Say the number after a number to 10 -Find one less than a number to 10 using objects -Find one less than a number to 10 using a number track -Say one less than a number to 10 -Know that one less than a number is the same as -1	**Multiplication and Division (3 weeks)** -Count in 2s -Count in 10s -Count in 5s -Recognise equal groups -Add equal groups -Make arrays -Make doubles -Make equal groups (grouping) -Make equal groups (sharing) **Fractions (2 weeks)** Recognise half (object or shape) Find half (object or shape) Recognise half (quantity) Find half (quantity) Recognise quarter (object or shape) Find quarter (object or shape) Recognise quarter (quantity) Find quarter (quantity)	**Fractions (2 weeks)** -Recognise and find a quarter -Recognise and find a third -Find the whole -Unit fractions -Non-unit fractions -Recognise the equivalence of a half and two quarters -Recognise and find three-quarters -Count in fractions up to a whole **Time (2 weeks)** -O'clock and half past -Quarter past and quarter to -Tell time past the hour -Tell time to the hour -Tell the time to 5 minutes -Minutes in an hour Hours in a day **Position and Direction (1 week)** -Language of position -Describe movement -Describe turns -Describe movement and turns -Shape patterns with turn	**Fractions B (2 weeks)** -Add fractions -Subtract fractions -Partition the whole -Unit fractions of a set of objects -Non-unit fractions of a set of objects -Reasoning with fractions of an amount **Money (2 weeks)** -Pounds and pence -Add money -Subtract money -Find change	**Decimals (2 weeks)** -Make a whole with tenths -Make a whole with hundredths -Partition decimals -Compare and order decimals -Round to the nearest whole number -Halves and quarters as decimals **Money (2 weeks)** -Write money using decimals -Convert between £ and p -Compare amounts of money -Estimate with money -Calculate with money -Solve problems with money **Time (2 weeks)** -Years, months, weeks, days -Hours, minutes, seconds -Convert between analogue and digital time -Convert between 12-hour and 24-hour clock	**Shape (3 weeks)** -Understand and use degrees -Classify angles -Estimate angles -Measure angles up to 180° -Draw lines and angles accurately -Calculate angles around a point -Calculate angles on a straight line -Lengths and angles in shapes -Regular and irregular polygons -3D shapes **Position and Direction (2 weeks)** -Read and plot co-ordinates -Problem solving with co-ordinates -Translation -Translation with co-ordinates -Lines of symmetry -Reflection in horizontal and vertical lines	***Consolidation and Retrieval Practice***

	-Say the number before a number to 10 **<u>Find the smaller parts of 10 addition (1 week)</u>** -Split 10 objects into two parts -Know that a whole can be split into two parts but the total remains the same (cardinality) -Find different ways to make 10 -Find the missing part for number bonds to 10 **<u>Subtraction number bonds to 10 (1 week)</u>** -Whole take away part leaves a part -Take away a smaller part of 10 and count what is left -Say what is left when a part is taken away without counting (subitising) -Say what is left when a part is taken away without counting or subitising **<u>Numbers to 20 (2 weeks)</u>** -Build numbers to 20 -Know that teen numbers are 10 and something -Count forwards and backwards to and from 20 -Count forwards and backwards to and from numbers to 20 -Compare numbers to 20 **<u>Spatial reasoning (1 week)</u>** -Combine shapes to make different shapes eg two triangles make a square -Rotate and manipulate shapes to make different patterns/buildings -Separate shapes and discuss properties						
vocabulary	More, less, add one, take away one, before, after, bigger, smaller, largest, greatest,	Half, whole, quarter, three quarters, equal parts	Three quarters, third, equivalent, numerator, denominator, whole, estimate,		Digital, convert, 24-hour clock, 12-hour clock	Angles on a straight line, angles about a point, missing angles, regular, irregular,	

	smallest, more, less, tens, shape, 2D, 3D, join, separate		compare, intervals of time, quarter past, quarter to, clockwise, anti-clockwise, straight line, rotation, whole turn, half urn, three quarter turn, right angle, chronological			reflex, congruent, spherical, cylindrical, hemisphere, x-axis, y-axis, axes, plot, first quadrant	
SUM 2	**Multiplication and division: Doubles (1 week)** -Know there are twice as many -Build doubles using objects -Sort doubles and non-doubles -Say 'double_is_' **Sharing and grouping (1 week)** -Recognise and make equal groups -Identify 'left overs' **Odds and evens (1 week)** -Identify odd amounts and even amount -Identify odd and even numbers -Group in pairs/groups of 2 -Find odd and even numbers on 10 frames **Consolidation and revision of key skills (2 weeks)** -Subitising -Comparing -Counting -Number bonds (instant recall to 5, some to 10) -Subtraction facts **Capacity (1 week)** -Know that capacity means how much liquid a container can hold -Say when something is full or empty -Say when something is half full -Say when something is nearly full or nearly empty	**Position and Direction (1 week)** -Describe turns Describe position -(left and right) -Forwards and backwards -Above and below -Ordinal numbers **Place Value -within 100 (2 weeks)** -Count from 50-100 -Tens to 100 -Partition into tens and ones -Number line to 100 -1 more, 1 less -Compare numbers with same number of tens -Compare any two numbers **Money (1 week)** -Unitising -Recognise coins -Recognise notes -Count in coins **Time (2 weeks)** -Before and after -Days of the week -Months of the year -Hours, minutes and seconds -Tell the time to the hour (o-clock) -Tell the time to the half hour	***Themed projects, consolidation and problem solving*** 2, 5, 10 times tables	**Time (3 weeks)** -Roman numerals to 12 (on a clock) -Tell the time to 5 minutes -Tell the time to the minute -Read time on a digital clock -Use am and pm -Years, months and days -Days and hours -Hours and minutes (use start and end times) -Hours and minutes (use durations) -Minutes and seconds -Units of time -Solve problems with time **Shape (2 weeks)** -Turns and angles -Right angles -Compare angles -Measure and draw accurately -Horizontal and vertical -Parallel and perpendicular -Recognise and describe 2D shapes -Draw polygons -Recognise and describe 3D shapes -Make 3D shape **Statistics (2 weeks)** -Interpret pictograms -Draw pictograms -Interpret bar charts -Draw bar charts -Collect and represent data -Two-way tables	**Shape (2 weeks)** -Understand and identify angles -Compare and order angles -Triangles -Quadrilaterals -Polygons -Lines of symmetry -Complete symmetric figures **Statistics (1 week)** -Interpret charts -Comparison, sum and difference -Interpret line graphs -Draw line graphs **Position and Direction (2 weeks)** -Co-ordinates -Draw 2-d shapes on a grid -Translate on a grid -Describe translation on a grid	**Decimals (3 weeks)** -Decimal number bonds -Add and subtract decimals across 1 -Add and subtract decimals with same dp -Add and subtract decimals with different dp -Efficient strategies of adding and subtracting decimals -Decimal sequences -Multiply by 10, 100, 1000 -Divide by 10, 100, 100 -Multiply and divide decimals **Converting units (2 weeks)** -Kg and km -Mm and ml -Convert units of length -Convert between metric and imperial -Convert units of time -Calculate with timetables **Volume (1 week)** -Cubic cm -Compare volume -Estimate volume -Estimate capacity	***Themed projects, consolidation and problem solving***
Vocabulary	Double, twice as many, full, empty, half full, half empty, nearly full, nearly empty, odd, even, share, left over, equal, the same, different	Position, direction, movement, in front, behind, around, left, right, under, below, above, beside, between, opposite, inside, outside, top, middle, bottom, money, coins, notes,		Orientations, horizontal, vertical, perpendicular, parallel, analogue, digital, noon, midday, midnight, leap year, duration, bar chart,	Polygon, geometric, quadrilateral, parallelogram, rhombus, trapezium, kite, arrowhead, isosceles, equilateral, scalene, acute, obtuse, reflect, classify, co-	Convert, metric, imperial, inches, pounds, pints, gallon	

		time, quicker, slower, earlier, later, before, after, next, today, tomorrow, morning, afternoon, evening, day, week, month, year, o'clock. Half past, minute, hour		frequency, Carroll diagram, Venn diagram	ordinates, translate, translation, time graph, discrete, continuous, comparison, sum, difference		